

FORM PTO-1390 (Modified)  
(REV 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER

009-02

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

PCT/DE00/02423 **10/069417**INTERNATIONAL APPLICATION NO.  
PCT/DE00/02423INTERNATIONAL FILING DATE  
July 18, 2000PRIORITY DATE CLAIMED  
September 10, 1999

TITLE OF INVENTION

METHOD OF FORMING A CONDUCTIVE PATTERN ON DIELECTRIC SUBSTRATES

APPLICANT(S) FOR DO/EO/US

ATOTECH DEUTSCHLAND GmbH

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 20 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☒ Certificate of Mailing by Express Mail
23. ☐ Other items or information:

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U.S. APPLICATION NO. (IF KNOWN, SEE <b>PCT/DE00/02423</b>	INTERNATIONAL APPLICATION NO. <b>PCT/DE00/02423</b>	ATTORNEY'S DOCKET NUMBER <b>009-02</b>
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24. The following fees are submitted:.

**BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5) ) :**

☐ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... **\$1040.00**

☒ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... **\$890.00**

☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... **\$740.00**

☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... **\$710.00**

☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... **\$100.00**

**ENTER APPROPRIATE BASIC FEE AMOUNT =**

Surcharge of **\$130.00** for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	TOTAL	
Total claims	29 - 20 =	9	x \$18.00	<b>\$162.00</b>	
Independent claims	1 - 3 =	0	x \$84.00	<b>\$0.00</b>	
Multiple Dependent Claims (check if applicable) <input checked="" type="checkbox"/>				<b>\$280.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,332.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2.				<b>\$0.00</b>	
<b>SUBTOTAL =</b>				<b>\$1,332.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				<b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,332.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/>				<b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,332.00</b>	
				Amount to be: refunded	\$
				charged	\$

**REC'D PCT/PTO 25 FEB 2002**

a. ☒ A check in the amount of **\$1,332.00** to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **16-0750** A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**John F. McNulty, Esquire**  
**Paul & Paul**  
**2900 Two Thousand Market Street**  
**Philadelphia, PA 19103**  
**(215) 568-4900**

*John F. McNulty*

SIGNATURE

John F. McNulty, Esquire

NAME

23,028

REGISTRATION NUMBER

February 25, 2002

DATE

10/069417.  
JC20 Rec'd PCT/PTO 25 FEB 2002

**PATENT**

**IN THE UNITED STATES PATENT OFFICE**

Serial No.: Not yet assigned

Filed: Herewith

For: **METHOD OF FORMING A CONDUCTIVE  
PATTERN ON DIELECTRIC SUBSTRATES**

Inventors: **Michael Guggemos, Franz Kohnle**

Atty Doc. No.: 009-02

"EXPRESS MAIL" MAILING LABEL NO:  
ET08876069US  
DATE OF DEPOSIT February 25, 2002  
I HEREBY CERTIFY THAT THIS PAPER IS  
BEING DEPOSITED WITH THE UNITED  
STATES POST OFFICE "EXPRESS MAIL  
POST OFFICE TO ADDRESSEE" SERVICE  
UNDER 37 C.F.R. § 1.10 ON THE DATE  
INDICATED ABOVE AND IS ADDRESSED TO  
THE ASSISTANT COMMISSIONER FOR  
PATENTS, WASHINGTON, D.C. 20231.  
NAME OF PERSON MAILING PAPER OR FEE

Nancy DeJesus

*Nancy DeJesus*  
SIGNATURE

***EXPRESS MAIL COVER LETTER***

Box PCT  
Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Dear Sir:

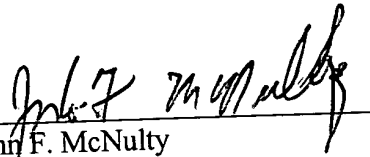
Enclosed and attached hereto are the following documents:

- (1) PCT Transmittal Form;
- (2) PCT -Request;
- (3) German Language Copy of Application;
- (4) Verified English Translation of Application;
- (5) International Search Report;
- (6) International Preliminary Examination Report with Amended Sheets According to Art. 34 PCT.
- (7) Verified English Translation of the amended sheets;
- (8) Declaration and Power of Attorney;
- (9) Check in the Amount \$1332.00 filing fee;
- (10) Preliminary Amendment;
- (11) Clean Set of Replacement Pages 1-3;
- (12) Assignment with PTO form 1595;
- (13) Check in the amount \$40.00 recordation fee;
- (14) Information Disclosure Statement with References;

- (15) PTO Form 1449;and
- (16) Express Mail Cover Letter; and
- (17) Paul & Paul postcard to be returned by the PTO.

THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY ADDITIONAL FEES ASSOCIATED WITH THIS COMMUNICATION, OR CREDIT ANY OVERPAYMENT, TO PAUL & PAUL DEPOSIT ACCOUNT NO. 16-0750, ORDER NO. 0333.

Respectfully submitted,

  
John F. McNulty  
Reg. No. 23,028  
Paul & Paul  
2900 Two Thousand Market St.  
Philadelphia, PA 19103  
(215) 568-4900